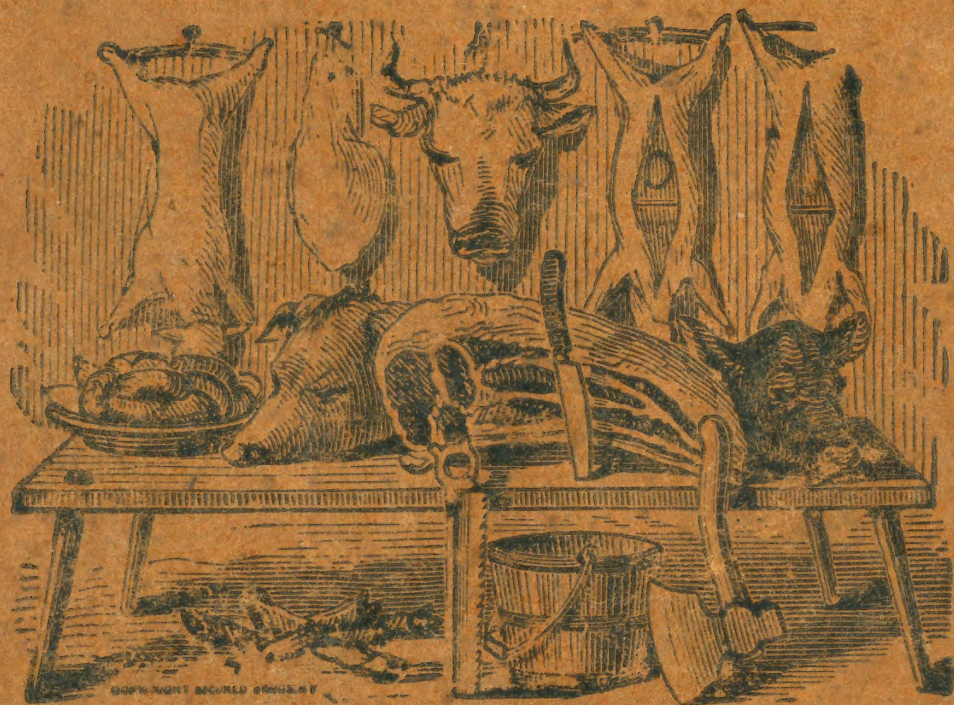


401-414

 Always Bring this Book.



Mrs. H. A. Dyer

In account with

J. S. Fremmer

DEALER IN

CHOICE BEEF,

MUTTON. LAMB, VEAL, PORK,

Hams, Bacon, Corned Beef,

TONGUES, ETC.

POULTRY & GAME

IN SEASON.


Goods Promptly Delivered, Free of Expense.

401

Very gregarious on base of tree (Similar
rotundifolia) Woods Hole, Mass. Aug 11, 1893
 No. 401, slightly bilobed, broad, rounded apices
 shiny black with a few hairs. (sh. held 1.45)
 Body 2.5 mm, cylindrical, wider than high
 subtruncate at the extremities, thick.
 Minute black pubescent dots, somewhat
 nocturnal, normal ① ant. remote from
 ②, ③ lat. ④ stig. post. ⑤ ant ⑥ post. s-v.
 Feet normal, the black, all with outer
 blackish plates & black claspers.
 Reddish shiny, white above spiracle
 with d, s-d, lat & super stig lines
 narrow black, & between them 2
 other, vent d. & super lat. of olivaceous
 gray, all separated by white, s-v
 & ventally light yellow with ss
 and s-v orange bands. The ends

of the larva have peculiar markings - viz. On 2 a black patch representing osh, surrounded by white. as the line ceases before it. 5-8 line on 2 (only) is black, On 11, the 5-d line ceases & the 2 oblique line join behind it, square \equiv while the lat. & super str. become confluent. On 12 are 2 5-d & 1 lat. (midspinal) white patches, rounded, separated by black. the large lateral one wrinkled; on 13, 4 similar small patches (each side) the anal plate black. The post. 5-d patch on 12 contains a dark cloud the d line runs through, but none of the other can be traced. There are on ant. edge of 2, before cervical spot, 2 white patches separated by black similar to those on post. end of body

Unfold Aug 13 Same but all the dorsal line alike, black. w. hd ^(sh hd 2.0) mm. The cloud* in post 5-d patch on 12 has become a black spot.

Moved Aug 20 Same. Angular shade*, black  [white, 12 narrow black line, below spiracles 11 + yellow with orange bands] the 3 lower ^{super str.} lines on each side are connected transversely by irregular black streaks. The feet black, abd. outwardly 12 slightly enlarged, 13 small. Head partly retracted under 2 which is a little humped a black dot in the 2-d patch on 13 [would not eat hot house Drosoph. Left with Linton]

He put them in alcohol

Hadena turbulenta

(ant Doll)

Coll. .31 .44 .63 .90 1.3 1.8 2.6 3.7 4.70
 Found .35 .45 .6 .9 1.25
 HYB.
 402

4 Eggs laid by ♀ Arctia pantherice at
 Plattsburgh, N.Y. night Aug 27-8, 1893
 Laid loose, rounded conical, shining
 pearly yellowish white: diam. .9 mm
 Basal end a little concave.

Hatched night Sept 9-10 Hd undate black.
 Body normal, pale, c-th & warts black.
 Warts large, giving appearance of dark
 gray lumps. Hairs single, stiff, ^(sh. hd. .355)
 rather long, dark. W. hd. mm.

Wolt Sept 15 Hd bilobed black, chypers
 large, pale ^(sh. hd. .45) W. mm Body light brown
 warts black, hair black becoming
 pale s-r. Hair stiff, not long, thin
 but several from a wart. Appearance
 of pale s-d s-d line between warts.

Wolt Sept 21 Hd well bilobed, sutures deep
 chypers large, 4, very shiny black

labrum pale, reddish. ^(sh. hd. .6) W. 6? mm.
 Body cinnamon brown with a narrow
 even d. line w/ a shade pale.
 Warts large, black, 2 connected by
 a black s-d shade. Venter pale
 Hair bristly, black a few of the
 post. ones longer but inconspicuous.
 Wolt Sept 29 Hd shiny black with short
 setae. ^(sh. hd. .9) W. mm Body black, the skin
 paler laterally, especially around
 bases of warts. Warts large black.
 Hair very dense, bristly, jet black,
 spinulose, the few long posterior
 hairs less bristly and pale.
 Contrast in color with last stage.
 Wolt Oct 10 ^(sh. hd. 1.25) W. 1.4, bilobed shiny
 black. Body blackish brown, darker
 than in the previous stage, the warts
 shiny black, granular. The feet

Black abd. blackish, pale at tip.
Hair mostly, short and dense,
spiculated & pointed, very black.
a few longer ones post. also black.
No marks on body but the lines of
want give a faint appearance of pale
lines between them.

[3 hibernated in stage IV, one in stage V]

(Out the 3 with one in ice Oct 21. 1893)

Kept the big one warm - molt Oct 25. Hd slightly
bilobed shiny black above labrum pale line
w. 1.7 ± mm Body blackish, more brownish
laterally, want ①-③ shiny black, the others
with black granulation. Feet concolorous.
Hair wispy, spinulose black as also the
few long post. hairs. No marks.

403

Cerua on willow, Mattahus Aug 28, 1893

Like borealis, but taken for its food plant.

Hd rounded-quadrate, sutures deep, blackish.

horn with faint yellow dots, paler

around mouth. w. 1.5 mm. Blunt thick

spinous sd horn on 2, setae from

distinct tubercle (normal, ④ post. sub

stig) very stiff & spring from ①-③, more

hair like sv with some on legs.

Tails rather densely short-stiff-spinous

greenish yellow, d-band blackish

horn, very divided 4, stig 8, consti

cted between 11 & 12, scarcely mottled

& not bordered. tubercles all dark.

3 post. slightly elevated. Tails dark,

reddish at base. trice annulate yellow

Length to tails 4.5 mm (stage before hd 1.1, similar)

dead

(see 511)

a ♀ 404 Washington D.C. April
1912 laid eggs that hatched
May 9th. The larvae were at
once back position on upper
side of leaves, jumped and spun
slyly nets above.

404 (from dead in corn) tubercles ① and ② just 2 in line
anteriorly ④ 55 just ③ a little lower, directly under spiracle
⑥ just, 2 several small ones, ⑦ quite large 5-6

3-17-94
404

another on black birch
On alder butterfly-noctuid, Plutella Aug 28
Hd ^{higher than 12} bilobed subquadrate, anterior dist.
Bordered whitish, the small of no dark

red-brown. 2 on
one from or
from post. 1
cellible
from in
Body of
new
sep
to
a i
on the
Dant, ① just, ② ④ lat, in line, ⑤ stig
just. ⑥ sub stig. On 3-4 ①-⑤ near
⑦-⑧ in line, ⑥-⑧ do. s-v, more on base of
foot., each with single long dark
seta. On 3-4 ② is mid, edgiate

what
or
H. areal
Purkin
all
all
all

the other
artery of lobes
ole setae
w. 1.8? mm
attend, of
at the last
not absent,
produced into
area on long
els mostly small

What wanted
an L. arcuata?

Packed since
all stages

~~América~~

~~egg 612~~

a ♀ 404 Washington D.C. April
1902 laid eggs that hatched
May 9th. The adults were at
once taken from the upper
side of leaves, printed and spun
slyms nets above.

404 (from dead in corn) ① ant ② post ③ 2 in line
ant ④ 55 post ⑤ a little lower, direct under spiracle
⑥ post, 2 several small subconcentric or quite large S-V

3-17-94

404

another on black birch
On alder, butterfly-moth, Plutella Aug 28
Hd ^{higher than 12} bilobed subquadrate, sutures dist.
Banded whitish, the small clippers dark
red-brown. 2 same color bands, concentric,
one from ocelli, above oph, the other
from post. lateral over vertex of lobes
ocelli black, rather long pale setae
from minute tubercles w. 1.8? mm
Body thick, slightly flattened, of
nearly even width but the last
seg. tapering. Anal feet absent,
the anal plate produced into
a conical, rounded process as long
as the plate. Tubercles mostly small
① ant, ② post, ③-④ lat, in line, ⑤ stig
post. ⑥ ant stig. On 3-4 ①-⑤ near
③-④ in line, ⑥-⑦ do S-V, more on base of
foot, each with single long dark
seta. On 3-4 ② is red, elongate

③ is black, giving the appearance
 of hairs when there are none.
 Light green, whitish ventrally,
 a sd purplish band, filled
 in over the dorsum with purplish
 from 5 to 13. Spin a cat of house
 folding partially edge of leaf like mico.
 Other had dorsum green, shaded with
 yellowish and faintly clouded with brown
 spotting. Sd line broken at intervals.

Evidently Platypteryx arcuata
 (see Bentham's Ent. Amer. 2, 38)

Imago, April 18, 1894

Platypteryx arcuata

Calc. .62 1.00 1.61, 2.60 4.20 rat..62
 Found — — 1.6 2.6 4.0-4.2

405

and beach

Heterocampa mantes on white oak
 Plattsburgh Aug 29. Singly but some 15
 on a small tree.

Stage IV Like ares. Hd. 2.6 mm.

Stage V Hds 4.0, 4.0, 4.1, 4.2 mm ^{a big} [bilineata 3.3]

Marked like bilineata with same
 structure. Hd large, elliptical, clypeus
 small, sutures moderately impressed.
 higher than wide; light green with a
 black band bordered with white.

on ant. lat. L, going at vertex but
 narrowed; pin brown, black at tip,
 a few black setae. Body green
 brown dotted, lat. S-V. a d yellow
 line: a broad sd one white on its
 lower side, contiguous to d. on 3-4 ^{(separates from it by a}
 & retracted to ① on 12. a narrow
 yellowish stig. line. Anal feet red
 except at base above where they

are tinged with yellow & green
setae black, tubercles small,
on 5 occasionally indicated in
red. Spiracles blackish ^{and feet red tinged} ochraceous.

[2] In addition a purple horn patch
surrounding red @ 5, an elongate patch
7 @ above s-d band; a similar
small one on 10; @ 12 faintly indi-
cated in red. Side heavily speckled

[3] Space between s-d line 2-5 filled
with purple brown dotted with white
(except white d. line); s-d patches (same)
on 7 & 10 large, pushing the s-d band
down in a loop to spiracle; 12 bet.
s-d bands filled in with reddish brown

[4] Whole d. space between bands
5-13 and a projecting on 7 & 10 filled
in with deep purple-brown, slightly
white dotted & fading into red
around @ 5 & 12. D. line narrow white

Lateral purple dots heavy, the
s-v region somewhat blotched
Feet rather heavily marked [In
the ex. the s-d band was imperfect
ending the projection on 7 & 10, so
that they hardly reached the spiracles]

[5] Dorsal line seems rather more
constantly well marked, narrower
& less diffuse than in bilineata
while the d. region is not white
shaded being very nearly con-
colorous with the lateral area. The
tubercles & setae are the same.

[5] Like [4] but side shaded with white
contrasting with the yellow-green dor-
sum. S-d band white, yellow above
with very narrow dark edge.
Stage had 1.6 Hs flat in front, reaching higher
than wide. Green with vertical brown stripes
a black abbreviated A above clasper. ocelli &
tubercles for subventral setae black. Works
as next stage. S-d band yellow, more or less

H. obliqua!

NEW

406

H. astarte?

1893

Heterocampus on white oak, Plattsburgh
N.Y., Aug. 30, 1893. Two-headed. Hd.

higher than wide, clypeus Δ , antenne
moderate, rather angular laterally.

(color gone) (shd 2.35) w. 2.5 mm. Body bunched

7-10 so it looks humped, tergal
feet with almost tail like anal
feet 1.5 mm long. A pair of short

cervical tubercles horns (red tipped?
injured in the specimen) Leaf green,
peppered with purple brown and
finely streaked with white. A peculiar
white d. band, recalling guttata but

without the s-d band. Dilated on 2,
narrow 3-7, widening $\begin{smallmatrix} 4 & 6 & 8 \end{smallmatrix}$ to lat. on 6

narrow in antenne 8-9, widening, widest

11 just, narrowing to anal feet.
Slightly brown bordered, enclosing
light green streaks in the ant. part

& larger, almost predominantly ones
in the joint are with a few faint
reddish lines. A series of mottled
red-brown blotch around spiracle
& s-v, with ill defined edges on
 $5/4 \searrow$; $6 \frac{7}{8} \swarrow^*$; $9 \downarrow$; $10 \downarrow$. Trace of
a white s-v line along ridge, seen
distinctly only 12-13. Anal feet white
with a brown line on top & black tips.
*beginning at the widened white band.

Another hd 3.5 mm Hd finely dotted-
mottled with light red & black on a
whitish ground, forming a diffuse gray
band from ocelli to vertex, & crimson
spots around ocelli; mouth parts

dark crimson as are the feet except
at joints. Body with sand white
(or light green) ground, thickly covered with red-brown

rounded dots, arranged in regular
longitudinal series (and white streaks between)
on the lateral

containing a double faint narrow
rather irregular d line, *
(or as before)

Portion of last stage largely obscured
Horns absent, cd smooth, anal feet
short, divergent, white. Dorsal band as
before, all white, dotted with brown
less thickly than sides; defined by a
brown shaded border & tinged with
yellow where the horns were, in ^{side 2} central
patch & with crimson on 2. The
border of the band is broken on 11.

General appearance light brown
Venter of hd. under 2 * (or which is green
on 5-7) and form a green wedge shaped
patch on 11-13 and, edged with brown
yellow, tapering just & ending in a line
on 13.



equal yellowish line in the green form.

[Do it backwards "gutter" style", Proc B.S.D., 2, 1, 54]

[Nat. larva does not at all contradict]

Troubled days figure of recluse Pl. Ent. 1891
Imago May 24 1894 Het. obliqua Park

Calc. .24 .45 .62 .85 1.17 1.60 rat. .73
Found .4+ .6 .85 1.6
407

Lucerna macroscopa
Hole villa in white oak, Plantations
Aug 30, 1893. Host? Head slightly bilobed,
about as wide as high, full well rounded
ground white, shiny, marked with dense
black mottling, forming a black patch
over the vertex of each lobe & largely covering
the clypeus, leaving the sutures white
ad. w. 1.6
w. 1.4? mm. Body flattened, projecting
s-v, abd feet on 8-10, 13. Three rows of
warts on every joint, ① ad central, ②
superstly ant, ③ s-s on projecting base
and ④ small on 3-11 s-v. Hair
fine, radiating, not abundant, but
most so & longest from ③. Iridid
white, a black d. line and several
irregular & confused blackish line
crisscrossed along the sides giving a dark
gray appearance. On 2-4, 7 & 11-12
the dark color becomes more dense &

Membrs more brownish, clouded, d. line
 scarcely continuous. Vents pale except
 ⑦ which is black. A flattened
 rectangular little thing with fine short
 obscure pale hairs. When "mad" it flops
 up as ant. and like a leaf eating beetle pupa
 staged. ⁵ Hd pale yellowish, narrow cheeks.
 Body light green ⑦ black horn with
 a small brown d. patch & faint broad
 greenish white d. band. Vents pale. Hair
 mostly pale, a few stiff dark ones. Length 4 mm.
 Molt Sept 9 new molt .85 (shad .6) molt Sept 21. new molt .85 d.
 Coon of little bit of leaf or paper, build up 2 walls but
 close them over all around so the cone is elliptical
 at n. base 7x2½ mm. Built as a transverse but the last

3-16-94

$$408 = 239$$

'Code on white oak Plattsburgh Aug 31
(= the one from Esopus Island, BB239)
Shape of ^{more elongate} H. fusciola but icy blue-green.
elliptical, tail quadrate. s-v ridge
prominent, sides sloping, s-d angle
about 75°, dorsum narrowing and apesd,
evenly arching. Subtranslucent, ^{concolorous} watery
granular whitish (not yellow) green
the color below the surface. A s-d
white band along ridge edged above
with green-black. D & lat. blackish
dots below surface, anteriorly seen
only centrally. Hd blackish on exposed
parts, with 213 retracted below body.

Is $y = \text{inverse}$?
Miss Martin says probably = $y = \text{inverse}$

Imago May 13 1894 Cat. no. 10861
nola

409

egg laid by ♀ *Tolyp* ^{larva} *bellus*, Plattsmouth
Aug. 28. Smooth, slightly shiny brown,
shagreened. Elliptical, not flattened
15 x 1.0 x .9 mm. (see 633)

Agrotis

2 eggs laid

Rhagoletis

2 eggs laid

Edema

2 eggs in

Sat.

2 eggs laid

Lycophotia

2 eggs laid

410 = 116

agula on willow at
Sept 4. 1893. Little was seen

line which extends from the
ventral line on abd., a whitish lateral line
body has purplish tint. 12 & 6 slightly enlarged
d. the feet & leg plate black. 1st brown
pale, transverse. Tubercles distinct black
anal feet divergent. Sutures upper side



C-sh

molts	June 16
Head	1 ± = 410




a darker shade a brown black d band,
narrowing and disappearing on 8-10 but
distinct again post. The feet dark a
faint white stigmatal line.

=410? on *Populus tremuloides* Jefferson Highland
N.H., June 16 '95

Egg hemispherical, white, ^{W.D.} nearly transparent at apex ($\frac{1}{2}$ inch) densely pitted like thimble. ^{.6 high} 1 mm
Larva Hd round brown rather pale eye & mouth dark
w. on Body shiny sordid greenish, a sd whitish
line which becomes broken into oblique seg-
mentary line on abd, a whitish lateral line
body has purplish tint. 12 & 6 slightly enlarged
d. Thor feet & leg plate black. C sh brown
pale, transverse. Tubercles distinct black
anal feet divergent. Pumps upper side



moet June 18
Hd 1± = 410

Pulmon, holes on gland below
head in voluntary
man. cut. Soc. Lond. 1886 1889

P Lycomorpha

Type lost

P Sapinella

Type in t

P Edema p

Type lost

P Rhagozira

Type lost,

11 Cossus r

Type in

409

egg laid by ♀ *Tolypa* ^{lancea} *velleda*, Plattsmouth
Aug. 28. Smooth, slightly shiny brown,
shapeless. Elliptical, not flattened
(see 633)
15 x 1.0 x .9 mm.

410 = 116
Notodonta stragula on willow at
Plattsmouth, Sept 4. 1893. Little more
perches. Egg shell $\frac{2}{3}$ spherical, base flat.
Smooth under lens, white. Decid. under
lens coarsely irregular punctured, closely. Cf. 12 elongate
pyriform cells radial of ground microsc. followed by
2 concentric rows, after which the regularity of
Stage III 1.1? Hd narrowing towards vertex,
with 4 brd. frons & sides, claspers rather
large, antennae slender, under depressed
at vertex. Body cylindrical, 12 enlarged
d. sloping off apically to 13 which is
small; anal feet used, about same
size as other abd. On 6 a fleshy
hump, low, conical, ventral. A very
slight one also on 7. Color lilac-white
diffusely marked along the sides with
a darker shade a brown black d band,
narrowing and disappearing on 8-10 but
distinct again post. The feet dark
faint white stigmatal line.

Cale. .41 .67 1.08 1.74 2.8
 Found 1.1 1.7 2.8

Stage IV 1.7 Hd rounded, narrowing to vertex
 median suture depressed, concolorous with
 body with a purplish band from antennae
 narrowing to vertex of each lobe; some
 concolorous mottling especially lat. post.
 anal feet elevated. Body lilac white
 the darker lateral streaks become
 oblique s-d, but are faint as is the s-l
 one white stig line. S band continuous,
 but very narrow 8-10, velvety horn-black
 on the mutant fleshy hump on 6, reddish
 on hump on 12. Head higher than 2 vertex
 heavily shaded with purple brown,
 feet all dark. Tubercles small, concolorous
 with very fine short setae, ① ant ② post
 sd, ③ lat, ④ s-s post, ⑤-⑥ in line s-v.
 Anal feet white above, spiracles black
 mixed. 2 setae (①) on hump on 12, but
 humps on 6 & 7 arise between the
 setae of ①. Ocelli black ^{a white line on} foot on 10.

47 (67) 1.05 1.57 2.35 3.5- 747.67
 Found 5 1.1 1.62 2.35 3.5-
 Stage IV 2.8 Hd same, clypeus proportionally
 small, chagreened, with purplish reticu-
 lation, vertical bands mottled, faintly
 bordered with whitish post. Head
 higher than 2, the segs rather small,
 abd longer, 13 small: 12 well humped
 retractile, bearing ①. Hump on 6 & 7
 subequal, leaning backward, retractile
 bearing ① at the lateral base. Anal
 feet used in walking, small. Whitish
 lilac ^{speckled with purple} greenish tinged. Laterally and
 on 9 & 10, dark shaded ventrally. A
 mottled yellow shade on 11-12 s-d on
 side of hump on 12. S band dark
 greenish gray, broad, faint 8-10, absent
 on 13. Faint s-d oblique seg. white
 lines & a stig. white line, absent 11-13
 but bent at right ⑤ on 10 & passing
 down the foot. Spiracles white, black
 mixed

underside solitary
 Egg on willow, Keene Valley N.Y. July 9 1898
 white, not shiny, 1 mm. (see before)

Like one pushing top side of pollen and
 washed out part way off top of leaf July 10
 Hd round, light brown, shiny, eye up
 mouth black, w. 5+ Red brown, ant
 rather slender, pale greenish shaded
 with white on sides of transverse plates
 2-11, 12 enlarged, a slight hump on 6.
 Tho. feet 1 leg plates 7-10 black, anal
 feet dark extended post. Setae fine
 short from distinct black tubercle
 normal, iv 5-5 feet, vi absent. Body
 mainly brownish shaded S-V.

July 12 Hd high rounded toward vertex
 flattened before, dusky blackish mottled
 with pale as found in the ill defined
 or total bands. Red dark purplish
 with a blackish d. band, and
 a pale shade on the sides of the
 hump on 12 and slight pale lateral
 oblique line. Slight indication of
 prominence on 6, tho. feet black
 setae short obscure, dark, w. 12+
 apparently a little less but over 1 mm.

July 21 Hd 1.7 (w. in stage) Sh. ht 1.62
 mol. 2.1 w. 2.35-2.4 Hd 3.5

411 [F.H.H. kept] = BB30

Acronycta obliquata? on alder, Plakstroph.
 Hd black, chippers white A-marked. Warts
 large with short pale bristly hairs
 elevated bases, close, almost forming
 elevated bands ④ minute, shy, post.
 ⑥ elongate, velvety black, warts, and
 complement areas around them high
 and forming transverse bands. A 1-d
 white band broken into spots & so
 white flecks along the side, a
 broad light yellow S-S band, duffy
 serrate above for each white
 space narrow connecting over
 warts ⑤. Venter & feet black
 Sides of head reddish. 5d row of spots
 also etc at extremities.

(2x5 *obliquata* see description)

Imago (F.H.H.) June 1898

Calc .28 .44 .71 1.12 1.79 2.84 4.5 wt. 63
 Found 4± 7 1.2± 1.8 3. 4.5±
 412 [G. H. H. kept]

Acrangeta on elm, Plattburgh, Sept 1.
 Hd. large, held out flat, antenae deep
 black, shagreened, apices of lobes red
 tipped, clypeus with broad greenish white
 1-membranous central line. Labrum &
 bases of antennae white. W. 4± mm
 a \diamond -shaped dorsal indentation on
 5, 8 & 12, bearing \odot at the corners.

Light olive gray, side tubercles whitish
 a d, & lat. olive brown shaded band
 the lat. defined by blackish marks
 apically. \odot small, \oplus large, stig
 just, others normal. δ band dented
 by a whitish line, the humps olive brown
 outlined in black. Hair thin white very
 scant, almost absent d. longer s-v.
 but many short stiff white setae
 arise from minute tubercles on the
 skin, surrounded by white spots.
 = a. moulta

Other Sept 18 1894 Plattburgh, but hair absent on
 setae. V. Hair \odot on 3-5 and 12
 reddish tinted. Warts \odot white or black
 or hair brown tinted as far as 9.
 413 [G. H. H. kept]
Acrangeta on poplar willow, Sept 4.



Hiram Ricker & Sons
 Proprietors of

Stage II Hd 4± whitish. Ant. short, not shiny, but marked with
 eye. Body pale green with indistinct
 whitish s-d line. Warts come with long setae
 1 crown & short hairs, a few glandular tipped
 feet light, part dark, skin of antennae black
 12 i-vii; iv and parts vi present, warts much
 in kind. Leg plates a flinty yellowish with some
 of the 4 setae on c-h, and
 the rest. Lower one has
 secondary hair and
 elevated into a wart.
 and there is a new spot
 2 along and edge of c-h.
 no secondary hair from
 412. Skin as yet.

N.Y. June 20-21 1894, also
 white brick June 25-
 1894. Hd. 1.5±

*Hd. 7 On July 17 differs from the other
in that there is a faint brown dorsal
shading on 2, 5 and 12. Sd line whitish
and i slightly whitish = murela?

Molt July 19 Hd 1.2 to Hd whitish green, below
apex pointed, a small patch of brown
mottling in front below apex of each lobe
Body green, sd yellowish line faint, 5, 8, 12
shaded with dense brown d. Hair long white
there are a few short 2d hair, but on the dark
portia i-ii on 5, 8 & 12 they are more numerous,
black with enlarged ends, only a few s-v, all
white there. The long dorsal hair, are black.
Hd 1.2 July 24 filled with a big maggot

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ASSETS.

FACTORY BUILDINGS AND LEASEHOLDS at Cincinnati, New York and Philadelphia, and City Lots in Indiana.....	\$94,450	42
MACHINERY, TOOLS AND FIXTURES , as originally valued by Appraisers in April, 1892, plus subsequent additions.....	771,102	10
SAFES AND VAULTS , sold or ready for sale, at estimated cost.....	419,713	54
SECOND-HAND SAFES , inventoried at a conservative valuation.....	43,037	00
SAFES AND VAULTS in process, and Materials at cost.....	352,737	73
BILLS AND ACCOUNTS RECEIVABLE	190,673	48
CASH ON HAND AND AT BRANCHES	3,591	81

*Stage II Hd 4± whitish, not shiny, no marks no eye. Body pale green with indication of a whitish s.d. line. Warts come with long setae & crown of short hairs, a few glandular tipped part light, part dark, some of small ones black. 12 i vii 0; iv only 1 seta, vi present, warts much on line. Leg plates a little yellowish with several pale setae.



412

Of the 4 setae on c-ph, only the first lower one has secondary hair and is elevated into a wart. But there is a row of short 2's along ant edge of c-ph. no secondary hair from skin as yet.

Hall-Marvin Company

STATEMENT, Year ending 30th

May 1, 1894, April 30, 1895.

By **SALES OF SAFES, VAULTS, L**
Etc.....

\$521,747 73

“ **AMOUNT RECEIVED** for Re
Repairs and Sundry.....

309,209 51

“ **INTEREST AND CASH DISCO**

352,158 32

April 30, 1895.

36,829 27

“ **STOCK OF SAFES** on hand
Inventory this date.....

58,819 29

“ **BALANCE** being **LOSS** for th

247 36

248 92

97,496 28

944 32

001 64

826 16

285 59

183,057 71

144 12

097 60

53,241 72

~~III~~ ~~July 14~~ ~~Had 7~~ ~~same~~ ~~good time~~ ~~more~~ ~~disturbed~~,
 winter, ~~creation~~ ~~was~~ ~~than~~ ~~dark~~ ~~the~~ ~~people~~ ~~8-10~~,
 see over

CR.

2,479 65

8,624 61

6,000 51

59,922 04

08,647 00

~~Pink Acronycta~~ corn Aug. 15

Little Paragipia in white oaks. Platanus. Gray with a white
patch d. on 3-4 and 9. Structure of Argyia.

Wood Aug 16 Hb black. sd erect & large body gray, many black
d. on 10-13, and white on 3-4 & 9. Long thick gray hair
from 5-8, longest on 5, short on 8, not forming definite tufts
a few black hairs on 12 d. gathered into faint tuft. Ash hair
gray rather abundant; ^{esp lat} no gland hairs - all moderate
barbules. Red tubercle whitish. Venter pale (lost)

Accompanied on elm flat-tailed
beetle covered over apex of each
compared of brown a black dot on a pale whitish ground, really
dark to ocelli; apices of lobes brown; a number of pale hairs
ocelli black. Body green, a raised brown area on 4-8 & 12
surrounded by a yellow ring, that on 8 passing also on 9
Wants small hairs 2-4 short, black i-iii large & brown
numerous iv & vi white iv-vi iv small first seg. no
2nd hair but microscopic pile, showing raised in the elevated
patches, i-ii a hair on 12 blackish wants yellowish
molt Aug 16 Same patches darker, blackish brown, i & ii surrounded
by black, yellow bordered narrow and dull. Had 3 mm
died with a maggot Aug 24

Aug. 13 4d bilobed, pale green
lobes with large patch of spot
on a pale whitish ground, really
dark to ocelli; a number of pale hairs
ocelli black. Body green, a raised brown area on 4-8 & 12
surrounded by a yellow ring, that on 8 passing also on 9
Wants small hairs 2-4 short, black i-iii large & brown
numerous iv & vi white iv-vi iv small first seg. no
2nd hair but microscopic pile, showing raised in the elevated
patches, i-ii a hair on 12 blackish wants yellowish
molt Aug 16 Same patches darker, blackish brown, i & ii surrounded
by black, yellow bordered narrow and dull. Had 3 mm

= *A. maculosa* (Wittmann) H. 1.8

Hiram Ricker & Sons
Proprietors of

Poland



Min

NEW YORK OFFICE,
164 NASSAU ST. TRIBUNE BUILDING

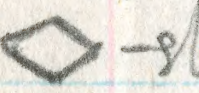
Trade Mark Registered April 25th. 1876.

Mr. J. B. L. L. L.

	<i>1 3/4</i>	<i>day self</i>
--	--------------	-----------------

A. munda on ground under apple (no elm
in sight) Sept 6/94 1 1/2 miles from Sun. Corners
Hd 4.5 ± black, shiny, labrum & bases of ant
white; few white hairs. Body gray
yellow, thro. feet black. 2d hairs numerous
short, flattened dorsally, long normal
s-v. Hart normal rather small but
with several hairs, longer & with more
a longer hair s-v (v & vi) D. low gray
whitish centrally, enlarged on each seg.
to include ii, very large 5, 8, 12
furry lightish brown \diamond patella
lined with black. Latent region
irregular gray shadow, a black mark
between ⁱⁱⁱ, iv & spiracle. Hair 2-4, 13 & s-v
long, all white

Calc. .28 .44 .71 1.12 1.79 2.84 4.5 wt. 63
 Found / .4± .7 1.2± 1.8 3. 4.5±
 412 [G. H. H. kept]

Acronycta on elm, Plattburgh, Sept 1.
 Hd. large, held out flat, sutures deep
 black, shagreened, apices of lobes red
 tipped, clypeus with broad greenish white
 1-membr. & central line. Labrum &
 bases of antennae white. W. 4± mm
 a -shaped dorsal enlargement on
 5, 8 & 12, bearing ① at the corners.
 Light olive gray, side tubercles whitish
 a d. & lat. olive brown obscure band
 the lat. defined by blackish marks
 stigmataly. ① small, ④ large, stig
 just, others normal. S band dented
 by a whitish line, the humps olive brown
 outlined in black. Hair thin white very
 scant, almost absent d. longer d-v.
 but many short stiff white setae
 arise from minute tubercles on the
 stem, surrounded by white spots.
 = a. monula

Other Sept 18 1894 Plattburgh. Red line absent or only
 reaching v. Hair ① on 3-5 and 12 thin
 or reddish tinted. Vents ① white or black
 or hair brown tinted as far as 9.
 413 [G. H. H. kept]

Acronycta on poplar willow, Sept 4.
 Quivins *Halsidota maculata* Head black
 with a few pale hair, ① far apart, scarcely
 ant. to ②, ④ stig just minute, velvet
 black ① on 7-10, ② also partly light
 white, apices white, a diffuse
 light red S band along ⑤, obsolete
 at extremities, 12 slightly enlarged.
 Hair thick even, half obscuring body
 light yellow, leaving dorsal area
 black (hairs) hair from ① on 5 partly
 a ① 12 largely black. a few long
 hair at each extremity

Imago bred by G. H. H. May 2) 1894
Acronycta brunnea

On willow and alder Keen valley
 N.Y. June 20-21 1894, also on
 white birch June 25-

Keen valley
 N.Y. June 20-21 1894
 white birch June 25-

414 [L.H.H. kept]

acromycta on willow, allied to the big
brown alder one, Plattsburgh Sept 4. '93.
Hd black, lobes separated by a natural
notch. Body black; hair short, very
dense, obscuring the body except vet.
segs, looking like bands of hair.
Light yellow, shading into fleshy
brown on the back, slightly keeled
along dorsal line. On 5, 7 & 12 a
high thick black dorsal penes
of hair. A few very long white
hair from the extremities.
Spiracle white. Percis double
from O. venter rather small, ①
as large as the others, stig. post. Hair
from both body & venter alike. A
yellow s-s band, excavated for spiracle,
exactly concave with lateral hair
= dactylina

